

## Method for the fault tolerant position detection of an object

Publication number: EP0825418

Publication date: 1998-02-25

Inventor: REHKOPF ANDREAS DR-ING (DE)

Applicant: SIEMENS AG (DE)

**Classification:**

- international: B61L3/00; B61L25/02; G01C21/20; B61L3/00; B61L25/00; G01C21/20; (IPC1-7): G01C21/20

- european: B61L3/00B; B61L25/02; G01C21/20

Application number: EP19970250236 19970813

Priority number(s): DE19961033884 19960819

**Also published as:**

EP0825418 (A3)

DE19633884 (A1)

EP0825418 (B1)

**Cited documents:**

US5311195

US5525998

US5129605

US5311173

[Report a data error here](#)

**Abstract of EP0825418**

The method involves acquiring individual position statements ( $P_1, P_n$ ) with individual quality from several sensors ( $S_1, S_n$ ) e.g. odometer, axle counter, beacon, inertial sensor or radar, during evaluation time periods ( $t_l$ ). The individual position statements are used after equalization with sensor-specific weighing factors for determining respectively an actual object position (OP) at the evaluation time. Object position estimates for the next evaluation time period are undertaken under consideration of object dynamics, based on the sensor-individual position statements. The weighing factors are continuously increased or decreased, based on evaluation of the quality of the object position estimates and the actual position values.

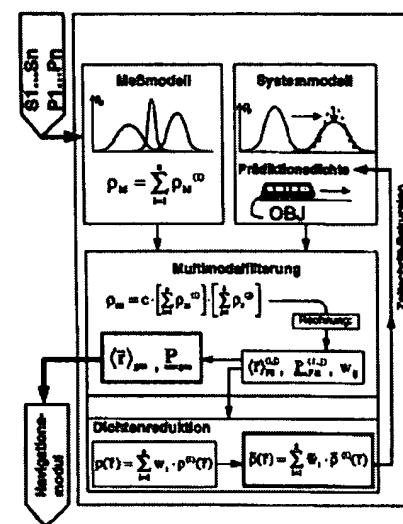


FIG 6

Data supplied from the esp@cenet database - Worldwide

AVAILABILITY COPY